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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/707,602	12/23/2003	Gene Linetsky	VIV/0015.00	1601
28653	7590	10/15/2007		
JOHN A. SMART			EXAMINER	
708 BLOSSOM HILL RD., #201			DOAN, TRANG T	
LOS GATOS, CA 95032			ART UNIT	PAPER NUMBER
			2131	
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			10/15/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/707,602	Applicant(s) LINETSKY, GENE	
	Examiner Trang Doan	Art Unit 2131	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 July 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-58 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-58 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is in response to the amendment filed in 07/24/2007.
2. Claims 1, 23, 31, 33-34, 36 and 39-43 have been amended.
3. The specification has also been amended.
4. Claims 1-58 are pending for consideration.

Response to Arguments

5. Applicant's arguments filed 07/24/2007 have been fully considered but they are not persuasive. Applicant argues that Heinrich does not teach the limitation "when a device is first attached to the computer, requiring user-provided information for authorizing the device." Examiner respectfully disagrees. Heinrich does teach when a device is first attached to the computer, requiring user-provided information for authorizing the device (see paragraphs 0034-0035 and 0045: *if the user entered password and the password loaded into black box do not match, then a lock signal is presented to masking logic. The lock signal may be placed upon a specific slot or conductor dedicated to a particular ISA peripheral device*). Therefore, Heinrich does teach user interaction.

Examiner is not trying to teach the invention but is merely trying to interpret the claim language in its broadest and reasonable meaning. The examiner will not interpret to read narrowly the claim language to read exactly from the specification, but will interpret the claim language in the broadest reasonable interpretation in view of the specification. Therefore, the examiner asserts that cited prior art does teach or suggest

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the subject matter broadly recited in independent Claims 1, 23, 43, and in subsequent dependent Claims. Accordingly, rejections for claims 1-58 are respectfully maintained.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 1-58 rejected under 35 U.S.C. 102(e) as being anticipated by Heinrich et al. (Pub. No. 2002/0194486) (hereinafter Heinrich).

Regarding claims 1, 23 and 43, Heinrich discloses when a device is first attached to the computer, requiring user-provided information for authorizing the device (Heinrich: paragraphs [0034-0035 and 0045]); based on the user-provided information, storing authorization information indicating that the device is allowed to communicate with the computer (Heinrich: paragraphs [0009, 0015] and 0034-0035); detecting detachment of the device from the computer (Heinrich: see Abstract section and paragraphs 0034-0035); updating the authorization information to indicate that the device is no longer authorized to communicate with the computer (Heinrich: paragraphs [0016-0017 and 0045]); and upon reattachment of the device, blocking communication with the device while the device remains unauthorized, thereby preventing a security

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breach involving the device (Heinrich: paragraphs [0009, 0015 and 0034-0035], the device remains locked until the passwords match).

Regarding claims 2 and 24, Heinrich discloses specifying a password for authorizing the device (Heinrich: see Abstract section and paragraph [0045]).

Regarding claims 3, 25 and 44, Heinrich discloses specifying at least one user with sufficient privileges to authorize the device (Heinrich: paragraphs [0034-0035 and 0044-0045]).

Regarding claims 4, 26 and 45, Heinrich discloses wherein the device is attached to the computer via a port (Heinrich: see figure 1 and paragraphs [0031 and 0037]).

Regarding claims 5 and 27, Heinrich discloses wherein the port is a selected one of a USB port, an RS-232 port, a parallel port, a SCSI port, and an IEEE 1394 port (Heinrich: paragraphs [0031 and 0037]).

Regarding claims 6, 28 and 46, Heinrich discloses wherein said device comprises an input device and wherein said blocking step includes blocking input from the input device (Heinrich: paragraphs [0013, 0023 and 0035]).

Regarding claims 7, 29 and 47, Heinrich discloses wherein said input device is a keyboard device (Heinrich: paragraphs [0015 and 0031]).

Regarding claims 8, 30 and 48, Heinrich discloses upon reattachment of the keyboard device, trapping keystrokes from the keyboard device (Heinrich: paragraphs [0009 and 0034-0035]).

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Regarding claims 9, 31 and 49, Heinrich discloses determining whether keystrokes trapped from the keyboard comprise a password that may be used to authorize the device (Heinrich: paragraphs [0034-0035]).

Regarding claims 10 and 32, Heinrich discloses wherein said device comprises a detachable storage device and wherein said blocking step includes blocking any data stream from the storage device (Heinrich: paragraphs [0006 and 0031]).

Regarding claims 11, 33 and 50, Heinrich discloses wherein said blocking step includes: blocking communication from the computer to the device while the device remains unauthorized (Heinrich: paragraphs [0013, 0023, 0035 and 0045]).

Regarding claims 12 and 34, Heinrich discloses receiving input authorizing the device; and thereafter allowing communication with the device (Heinrich: paragraphs [0013, 0015 and 0034-0035]).

Regarding claims 13 and 35, Heinrich discloses wherein the input comprises password input from an authorized user (Heinrich: paragraphs [0034-0035]).

Regarding claims 14, 36 and 51, Heinrich discloses upon detecting detachment of the device from the computer, generating an alert that reports the detachment (Heinrich: paragraphs [0014, 0016-0017, 0042 and 0044]).

Regarding claims 15, 37 and 52, Heinrich discloses wherein the alert is automatically transmitted to a system administrator (Heinrich: paragraphs [0013, 0040 and 0044]).

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Regarding claims 16, 38 and 53, Heinrich discloses wherein the alert is automatically transmitted to a remote administration module operating on a different computer (Heinrich: paragraphs [0014, 0016-0017, 0042 and 0044]).

Regarding claims 17, 39 and 54, Heinrich discloses receiving authorization from a remote administration module; and thereafter allowing communication with the device (Heinrich: paragraphs [0013, 0015 and 0034-0035]).

Regarding claims 18, 40 and 55, Heinrich discloses wherein said specifying step includes: specifying an operating system hook that allows attachment and detachment of devices to be detected (Heinrich: see Abstract section).

Regarding claims 19, 41, Heinrich discloses updating the authorization information to indicate that the device is currently untrusted (Heinrich: see Abstract section and paragraph [0045]).

Regarding claims 20, 42 and 56, Heinrich discloses wherein said updating step includes: treating the detachment as a security breach and blocking communication with a network node that the computer resides on (Heinrich: paragraphs [0013, 0023, 0035 and 0045]).

Regarding claims 21 and 57, Heinrich discloses a computer-readable medium having processor-executable instructions for performing the method of claim 1 (Heinrich: see figures 1 and 2).

Regarding claims 22 and 58, Heinrich discloses a downloadable set of processor-executable instructions for performing the method of claim 1 (Heinrich: see Abstract section and paragraphs [0034-0035]).

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Howard discloses a "METHOD AND APPARATUS FOR PREVENTING UN-AUTHORIZED ATTACHMENT OF COMPUTER PERIPHERALS" (US 2005/0021996).
- Kaysen discloses "AUTHENTICATING PERIPHERALS BASED ON A PREDETERMINED CODE" (US 6839776).
- Iwase discloses "IMAGE PROCESSING SYSTEM THAT COMMUNICATES WITH A PORTABLE DEVICE HAVING USER INFORMATION" (US 6871243).
- Girard discloses "MECHANISM TO IMPROVE AUTHENTICATION FOR REMOTE MANAGEMENT OF A COMPUTER SYSTEM" (US 7093124).
- Sundararajan discloses "SESSION AUTHENTICATION USING TEMPORARY PASSWORDS" (US 20050015604).
- Inoue discloses "METHOD AND APPARATUS FOR EJECTING A RECORDING MEDIUM FROM A STORAGE UNIT DETACHABLE FROM HOST EQUIPMENT" (US 6928557).
- Simonich discloses "SECURITY METHODOLOGY FOR DEVICES HAVING PLUG AND PLAY CAPABILITIES" (US 6301665).
- Chou discloses "PLUG AND PLAY DEVICE AND ACCESS CONTROL METHOD THEREFORE" (US 7240369).

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9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trang Doan whose telephone number is (571) 272-0740. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Trang Doan
Examiner
Art Unit 2131

T.D.

CHRISTOPHER REVAK
PRIMARY EXAMINER

